

EPA-R5-2014-003611INT-1

**Brian  
Schlieger/R5/USEPA/US**

02/01/2010 11:19 AM

To Jeff Kelley

cc Shelly Lam

bcc

Subject CIC Assignment

Jeff,

Shelly Lam and I are in the beginning stages of a project in Speedway, IN. The site involves the drinking water contamination (vinyl chloride) of a neighborhood. Approximately 40 residences in the neighborhood are potentially impacted. I have provided water and treatment systems to two of the homes with higher levels of contaminants. The eventual goal is to provide a municipal water supply to all the residences in the neighborhood. We are also conducting some initial investigations to look into potential vapor intrusion issues. As there will be a significant need for community participation (access agreements, distribution of fact sheets, and hopeful acceptance of an offer to provide municipal water), I am looking for some assistance from Community Involvement. Can you please assign a CIC to assist with the site?

The site is the W. Vermont Drinking Water Contamination Site (ID is B5UJ).

Please let me know if you have any additional questions or clarifications .

thanks,  
Brian

Brian Schlieger  
On-Scene Coordinator  
U.S EPA  
77 W. Jackson  
Chicago, IL 60604  
Office: 312.886.0130  
Cell: 734.740.9011  
Fax: 312.582.5817

EPA-R5-2014-003611INT-2

**Brian  
Schlieger/R5/USEPA/US**  
02/12/2010 11:26 AM

To Shelly Lam  
cc jay.rauh  
bcc  
Subject Fw: Vermont Street Investigation Data Report

Jay,  
Please add this to the site files.

Thanks,  
Brian

Brian Schlieger  
On-Scene Coordinator  
U.S EPA  
77 W. Jackson  
Chicago, IL 60604  
Office: 312.886.0130  
Cell: 734.740.9011  
Fax: 312.582.5817

----- Forwarded by Brian Schlieger/R5/USEPA/US on 02/12/2010 11:25 AM -----

From: Donald Heller/R5/USEPA/US  
To: Brian Schlieger/R5/USEPA/US@EPA, EBRITTAI@idem.IN.gov  
Date: 02/12/2010 09:35 AM  
Subject: Fw: Vermont Street Investigation Data Report

---

----- Forwarded by Donald Heller/R5/USEPA/US on 02/12/2010 09:33 AM -----

From: "David Favero" <dfavero@ameritech.net>  
To: Donald Heller/R5/USEPA/US@EPA  
Cc: "Sarah Fisher, Arcadis" <sfisher@arcadis-us.com>, "Marilyn Dedyne, GM" <marilyn.j.dedyne@gm.com>  
Date: 02/12/2010 09:09 AM  
Subject: Vermont Street Investigation Data Report

---

Don,

The final data report is attached for your review and use . Note that the attached version does not include the laboratory report as that file is about 12 mb in size and I ma not sure that your e-mail will accept that size. I will e-mail the complete report to you next in the event your e-mail will accept it.

Please let me know if you would like any paper copies or copies on CDs . As always we are available to discuss this matter further upon your request .

Thank you,  
David Favero



Vermont St Data Report\_100211-final-wo Lab Report.pdf

EPA-R5-2014-003611INT-3

**Brian  
Schlieger/R5/USEPA/US**  
02/23/2010 10:41 AM

To "ATKINSON, HARRY"  
cc "BRITTAIN, ERIN", Shelly Lam  
bcc

Subject RE: W. Vermont Drinking water contamination ARAR

Sorry for the incorrect attachment. Please find the correct attachment.



ARARLetter.doc

Brian Schlieger  
On-Scene Coordinator  
U.S EPA  
77 W. Jackson  
Chicago, IL 60604  
Office: 312.886.0130  
Cell: 734.740.9011  
Fax: 312.582.5817

"ATKINSON, HARRY"

Brian, It appears that there migh...

02/23/2010 06:43:59 AM

---

From: "ATKINSON, HARRY" <HATKINSO@idem.IN.gov>  
To: Brian Schlieger/R5/USEPA/US@EPA  
Cc: Shelly Lam/R5/USEPA/US@EPA, "BRITTAIN, ERIN" <EBRITTAI@idem.IN.gov>  
Date: 02/23/2010 06:43 AM  
Subject: RE: W. Vermont Drinking water contamination ARAR

---

Brian,

It appears that there might have been a mistake in you attachments .

Harry E. Atkinson, Chief  
State Cleanup Section  
Remediation Service Branch  
317-234-0347

-----Original Message-----

From: Schlieger.Brian@epamail.epa.gov  
[mailto:Schlieger.Brian@epamail.epa.gov]  
Sent: Monday, February 22, 2010 4:11 PM  
To: ATKINSON, HARRY  
Cc: Lam.Shelly@epamail.epa.gov; BRITTAIN, ERIN  
Subject: W. Vermont Drinking water contamination ARAR

Harry,  
Please find attached the Applicable, Relevant, and Appropriate  
Requirements (ARARs) request letter for the actions conducted at W.  
Vermont Drinking Water Contamination Site.

Please note that the attached letter only covers the initial installation of the three drinking water systems at the three identified residences. Additional, investigations as to identify the source are being conducted as well as initial planning for municipal water supply hook-up for all residences included for the site. Such actions would be covered under a separate action-memo and ARAR letter.

Please feel free to contact me for additional questions or clarifications.

Thank you,  
Brian

(See attached file: ARARLetter.doc)

Brian Schlieger  
On-Scene Coordinator  
U.S EPA  
77 W. Jackson  
Chicago, IL 60604  
Office: 312.886.0130  
Cell: 734.740.9011  
Fax: 312.582.5817

EPA-R5-2014-003611INT-4

**Brian  
Schlieger/R5/USEPA/US**  
04/22/2010 03:10 PM

To mkj5  
cc Shelly Lam  
bcc

Subject Fw: Sub-slab vapor results

Mark,

Attached are the validated results of the sub-slab vapor study conducted at the West Vermont Street Drinkingwater contamination site in Speedway Indiana that Shelly had requested assistance with . The three samples denoted with SS are from the sub-slab of the three residents with the treatment systems to remove the vinyl chloride contamination . The fourth sample is an ambient air (denoted with an AA) sample collected from the porch of one of the residents .

I am also forwarding a figure to help identify location of the samples . Please feel free to refer any questions or clarifications to Shelly or myself .

thanks,  
Brian



DVR West Vermont St.pdf Site\_Boundary\_addresses.pdf

Brian Schlieger  
On-Scene Coordinator  
U.S EPA  
77 W. Jackson  
Chicago, IL 60604  
Office: 312.886.0130  
Cell: 734.740.9011  
Fax: 312.582.5817

EPA-R5-2014-003611INT-5

**Brian**  
**Schlieger/R5/USEPA/US**  
03/09/2011 01:32 PM

To Shelly Lam

cc

bcc

Subject Accepted: West Vermont Enforcement Conference Call

EPA-R5-2014-003611INT-6

**CherylA  
Hawkins/ERT/R2/USEPA/US**  
03/31/2011 01:24 PM

To Shelly Lam  
cc Harry Allen  
bcc  
Subject Fw: Michigan Plaza MEE Table

Hi Shelly,

Harry Allen forwarded your question about methane levels during the bioremediation of PCE and I think I can help you with that.

The methane has developed at the site from the addition of the vegetable oil and is not generated from the reductive dechlorination of the PCE (unless chloromethanes were also a problem at the site). The vegetable oil is added to create the anaerobic conditions and to produce the hydrogen required by the microbes that reductively dechlorinate the chlorinated solvents. Unfortunately the anaerobic conditions favorable for reductive dechlorination are also favorable for methanogenic microbes which produce methane.

I've attached a couple of documents, one from the Air Force and one from ITRC, that are good references for bioremediation of chlorinated solvents.

If you would like to discuss this further or if there are any other questions I can help you with, please feel free to give me a call or email.



principles\_and\_practices\_bioremediation.pdf



biodnapl\_1.pdf

Cheryl A. Hawkins, Ph.D.  
US EPA/OSWER/OSRTI/TIFSD  
Environmental Response Team  
MS 101  
2890 Woodbridge Ave. Bldg. 18  
Edison, NJ 08837-3679  
Phone: (732)321-6717  
Cell: (732)687-0487

----- Forwarded by CherylA Hawkins/ERT/R2/USEPA/US on 03/31/2011 01:27 PM -----

From: Harry Allen/ERT/R2/USEPA/US  
To: "CherylA Hawkins" <Hawkins.CherylA@epamail.epa.gov>  
Date: 03/31/2011 11:35 AM  
Subject: Fw: Fw: Michigan Plaza MEE Table

---

Cheryl, This should be a good one for you. H

----- Original Message -----

From: Philip Campagna  
Sent: 03/31/2011 10:40 AM EDT  
To: Shelly Lam; Harry Allen  
Subject: Re: Fw: Michigan Plaza MEE Table



Shelly

The reaction is converting ethane into methane which is also part of the reaction. For more info talk to Harry Allen

-----Shelly Lam/R5/USEPA/US wrote: -----

=====  
To: Philip Campagna/ERT/R2/USEPA/US@EPA  
From: Shelly Lam/R5/USEPA/US  
Date: 03/31/2011 09:41AM  
Subject: Fw: Michigan Plaza MEE Table  
=====

Hi Phil,

John Gilbert suggested I contact you about a chemistry question I have on one of my sites. The site in question is a former dry cleaner that injected CAP-18, a vegetable oil product, to reductively dechlorinate PCE/TCE. The process appears to have stalled at vinyl chloride. Recently, the state asked the PRP's consultant to collect samples for ethene, ethane, and methane from groundwater (see attached). The methane levels are very high, especially compared to ethane and ethene. My question is this - why would we have methane associated with CAP-18, vinyl chloride, or chlorinated solvents in general?

Thanks,  
Shelly

Shelly Lam, LPG  
Federal On-Scene Coordinator  
United States Environmental Protection Agency  
Office: 317.308.3073 | Cell: 317.417.0980  
Lam.Shelly@epa.gov  
2525 N. Shadeland Avenue, Indianapolis, IN 46219  
www.epa.gov

----- Forwarded by Shelly Lam/R5/USEPA/US on 03/31/2011 09:39 AM -----

From: "BRITTAIN, ERIN" <EBRITTAI@idem.IN.gov>  
To: Shelly Lam/R5/USEPA/US@EPA  
Date: 03/30/2011 12:35 PM  
Subject: FW: Michigan Plaza MEE Table

Shelly,  
Attached is the methane, ethane and ethene table. Here is what IDEM's chemist said:  
&#8220;Owners of wells with methane concentrations greater than 10 mg/L but less than 28 mg/L might also wish to contact their local county health department for further assistance and might consider removing ignition sources from the immediate area. Methane concentrations less than 10 mg/L require no action, other than periodic monitoring to see if methane concentrations are changing.&#8221;

[http://pubs.usgs.gov/fs/2006/3011/pdf/Factsheet2006\\_3011.pdf](http://pubs.usgs.gov/fs/2006/3011/pdf/Factsheet2006_3011.pdf)

Michigan Plaza Site, Indianapolis, IN: MMW-1S, P-03S, P-03D, P-06, P-08, P-10 and 168D contain dissolved methane in the 10,000 &#8211; 28,000 ppb range. Consideration for removal of ignition sources in the immediate area of the well(s).

Limit of methane solubility is between 28 &#8211; 30 mg/L: Methane can &#8220;off-gas&#8221; at the limit of methane water solubility and the gas can accumulate in confined spaces. Methane can ignite at atmospheric concentrations between 5% to 15%

The potential sources of the methane can be several including end products from chlorinated degradation.

Recommendation : Reduce both Vinyl Chloride and Methane in groundwater by appropriate means.

Erin Brittain  
Voluntary Remediation Program Project Manager  
Indiana Department of Environmental Management  
317/233-2991  
ebrittai@idem.IN.gov  
From: Sarah Webb [mailto:SWEBB@MUNDELLASSOCIATES.COM]  
Sent: Wednesday, March 23, 2011 4:09 PM  
To: HOLLAND, BILL; BRITTAIN, ERIN  
Cc: John Mundell; Cappel, Peter (Denver)  
Subject: RE: Michigan Plaza MEE Table

Sorry about that, here&#8217;s the attachment.

From: Sarah Webb  
Sent: Wednesday, March 23, 2011 3:40 PM  
To: 'bholland@idem.in.gov'; 'BRITTAIN, ERIN'  
Cc: John Mundell; 'Cappel, Peter (Denver)'  
Subject: Michigan Plaza MEE Table

Hi Everyone,

Thanks for taking the time to meet with us this morning.

As we discussed, here is the MEE data you requested.

Please let me know if you have any other questions&#8230;

Look for the quarterly here in a week or so.

Thanks!  
Sarah

[attachment(s) "MEE.pdf" removed by Philip Campagna/ERT/R2/USEPA/US]

EPA-R5-2014-003611INT-7

**CherylA  
Hawkins/ERT/R2/USEPA/US**  
03/31/2011 01:52 PM

To Shelly Lam  
cc Philip Campagna, Harry Allen  
bcc  
Subject Re: Fw: Michigan Plaza MEE Table

Shelly,

Since the solubility limit for methane is around 30 ppm and your wells are measuring 28 ppm, I would expect that you are generating methane gas. I would think there would be an explosion hazard if the gas is not being adequately vented and there is an ignition source nearby.

But here I should defer back to Phil Campagna. Phil - do you think she should be worried about a possible methane explosion at the monitoring wells?

Cheryl A. Hawkins, Ph.D.  
US EPA/OSWER/OSRTI/TIFSD  
Environmental Response Team  
MS 101  
2890 Woodbridge Ave. Bldg. 18  
Edison, NJ 08837-3679  
Phone: (732)321-6717  
Cell: (732)687-0487

Shelly Lam	Cheryl, Thank you so much. I will look...	03/31/2011 02:31:39 PM
------------	-------------------------------------------	------------------------

From: Shelly Lam/R5/USEPA/US  
To: CherylA Hawkins/ERT/R2/USEPA/US@EPA  
Cc: Harry Allen/ERT/R2/USEPA/US@EPA  
Date: 03/31/2011 02:31 PM  
Subject: Re: Fw: Michigan Plaza MEE Table

---

Cheryl,

Thank you so much. I will look at the documents you sent. One more question - are the methane levels in on-site monitoring wells a concern? In particular I'm thinking about explosive hazards at the Site and nearby residential properties.

Thanks again,  
Shelly

Shelly Lam, LPG  
Federal On-Scene Coordinator  
United States Environmental Protection Agency  
Office: 317.308.3073 | Cell: 317.417.0980  
Lam.Shelly@epa.gov  
2525 N. Shadeland Avenue, Indianapolis, IN 46219  
www.epa.gov

CherylA Hawkins	Hi Shelly, Harry Allen forwarded your...	03/31/2011 02:26:15 PM
-----------------	------------------------------------------	------------------------

From: CherylA Hawkins/ERT/R2/USEPA/US  
To: Shelly Lam/R5/USEPA/US@EPA  
Cc: Harry Allen/ERT/R2/USEPA/US@EPA  
Date: 03/31/2011 02:26 PM

Subject: Fw: Michigan Plaza MEE Table

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I've attached a couple of documents, one from the Air Force and one from ITRC, that are good references for bioremediation of chlorinated solvents.

If you would like to discuss this further or if there are any other questions I can help you with, please feel free to give me a call or email.

[attachment "principles\_and\_practices\_bioremediation.pdf" deleted by Shelly Lam/R5/USEPA/US]  
[attachment "biodnapl\_1.pdf" deleted by Shelly Lam/R5/USEPA/US]

Cheryl A. Hawkins, Ph.D.  
US EPA/OSWER/OSRTI/TIFSD  
Environmental Response Team  
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Subject: Fw: Fw: Michigan Plaza MEE Table

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=====  
To: Philip Campagna/ERT/R2/USEPA/US@EPA  
From: Shelly Lam/R5/USEPA/US  
Date: 03/31/2011 09:41AM  
Subject: Fw: Michigan Plaza MEE Table  
=====

Hi Phil,

John Gilbert suggested I contact you about a chemistry question I have on one of my sites. The site in question is a former dry cleaner that injected CAP-18, a vegetable oil product, to reductively dechlorinate PCE/TCE. The process appears to have stalled at vinyl chloride. Recently, the state asked the PRP's consultant to collect samples for ethene, ethane, and methane from groundwater (see attached). The methane levels are very high, especially compared to ethane and ethene. My question is this - why would we have methane associated with CAP-18, vinyl chloride, or chlorinated solvents in general?

Thanks,  
Shelly

Shelly Lam, LPG  
Federal On-Scene Coordinator  
United States Environmental Protection Agency  
Office: 317.308.3073 | Cell: 317.417.0980  
Lam.Shelly@epa.gov  
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To: Shelly Lam/R5/USEPA/US@EPA  
Date: 03/30/2011 12:35 PM  
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Shelly,  
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The potential sources of the methane can be several including end products from chlorinated degradation.

Recommendation : Reduce both Vinyl Chloride and Methane in groundwater by appropriate means.

Erin Brittain  
Voluntary Remediation Program Project Manager  
Indiana Department of Environmental Management  
317/233-2991  
ebrittai@idem.IN.gov  
From: Sarah Webb [mailto:SWEBB@MUNDELLASSOCIATES.COM]  
Sent: Wednesday, March 23, 2011 4:09 PM  
To: HOLLAND, BILL; BRITTAIN, ERIN  
Cc: John Mundell; Cappel, Peter (Denver)  
Subject: RE: Michigan Plaza MEE Table

Sorry about that, here's the attachment.

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Sent: Wednesday, March 23, 2011 3:40 PM  
To: 'bholland@idem.in.gov'; 'BRITTAIN, ERIN'  
Cc: John Mundell; 'Cappel, Peter (Denver)'  
Subject: Michigan Plaza MEE Table

Hi Everyone,

Thanks for taking the time to meet with us this morning.

As we discussed, here is the MEE data you requested.

Please let me know if you have any other questions;

Look for the quarterly here in a week or so.

Thanks!  
Sarah

[attachment(s) "MEE.pdf" removed by Philip Campagna/ERT/R2/USEPA/US]

EPA-R5-2014-003611INT-8

**Adam Rickert**  
<ARickert@HHCorp.org>  
05/05/2011 12:17 PM

To Shelly Lam  
cc ptheveno  
bcc  
Subject Cossell Vermont Neighborhood

Hello Shelly,

I have not heard any recent updates for the Cossell Vermont neighborhood. Also, I wasn't sure if you are still the designated OSC for this area. Thank-you.

Adam Rickert, MPI, REHS  
Department of Water Quality and Hazardous Materials Mgt  
Marion County Health Department  
3901 Meadows Drive  
Indianapolis IN 46205

(317) 221-2298  
Fax (317) 221-2288

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EPA-R5-2014-003611INT-9

**Bob Kay/R5/USEPA/US**

06/07/2011 07:02 AM

To Shelly Lam

cc

bcc

Subject Accepted: West Vermont Call (3 p.m. Eastern/2 p.m. Central)



EPA-R5-2014-003611INT-10

**Bob Kay/R5/USEPA/US**

06/07/2011 08:51 AM

To Shelly Lam

cc

bcc

Subject Accepted: West Vermont Call (1:30 p.m. Eastern/12:30  
p.m. Central)

EPA-R5-2014-003611INT-11

**Bob Kay/R5/USEPA/US**

06/14/2011 11:10 AM

To Shelly Lam

cc

bcc

Subject Accepted: West Vermont Conference Call (2 p.m. Eastern/1  
p.m. Central)

EPA-R5-2014-003611INT-12

**Brian  
Schlieger/R5/USEPA/US**  
06/14/2011 11:50 AM

To Shelly Lam

cc

bcc

Subject Accepted: West Vermont Conference Call (2 p.m. Eastern/1  
p.m. Central)

EPA-R5-2014-003611INT-13

**Adam Rickert**  
<ARickert@HHCorp.org>  
06/16/2011 08:53 AM

To Shelly Lam  
cc  
bcc  
Subject Re: West Vermont Results

Shelly,

Our lab does not normally sample GW for Ammonia, however analysis is completed for Nitrates, Nitrites, and Chlorides. For the West Vermont/Cossell neighborhood, during the initial sampling events, analysis was completed for Nitrates, Nitrites, and Chlorides. To my knowledge, none of the results for the above mentioned parameters were elevated or exceeded EPA drinking water standards.

Adam Rickert, MPI, REHS  
Department of Water Quality and Hazardous Materials Mgt  
Marion County Health Department  
3901 Meadows Drive  
Indianapolis IN 46205

(317) 221-2298  
Fax (317) 221-2288

-----Lam.Shelly@epamail.epa.gov wrote: -----

To: arickert@hhcorp.org  
From: Lam.Shelly@epamail.epa.gov  
Date: 06/15/2011 14:45  
Subject: West Vermont Results

Adam,

We have a PRP meeting tomorrow on West Vermont. Do you have other analytical data from the residential properties besides VC, such as ammonia, nitrogen compounds, chlorides? Anything you can provide would be helpful.

Thanks,  
Shelly

Shelly Lam, LPG  
Federal On-Scene Coordinator  
United States Environmental Protection Agency  
Office: 317.308.3073 | Cell: 317.417.0980  
Lam.Shelly@epa.gov  
2525 N. Shadeland Avenue, Indianapolis, IN 46219  
[www.epa.gov](http://www.epa.gov)

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EPA-R5-2014-003611INT-14

**Adam Rickert**  
<ARickert@HHCorp.org>  
06/16/2011 10:09 AM

To: Shelly Lam  
cc  
bcc  
Subject: Re: West Vermont Results

Shelly,

I counted 25 properties.

Adam Rickert, MPI, REHS  
Department of Water Quality and Hazardous Materials Mgt  
Marion County Health Department  
3901 Meadows Drive  
Indianapolis IN 46205

(317) 221-2298  
Fax (317) 221-2288

-----Lam.Shelly@epamail.epa.gov wrote: -----

To: "Adam Rickert" <arickert@hhcorp.org>  
From: Lam.Shelly@epamail.epa.gov  
Date: 06/16/2011 10:30  
Subject: Re: West Vermont Results

Thanks! Do you know how many homes need to be connected to municipal water?

Shelly Lam, LPG  
Federal On-Scene Coordinator  
Office: 317.308.3073 | Cell: 317.417.0980  
Lam.Shelly@epa.gov

U.S. Environmental Protection Agency  
2525 N. Shadeland Avenue, Suite 100  
Indianapolis, IN 46219

---

**From:** Adam Rickert [ARickert@HHCorp.org]  
**Sent:** 06/16/2011 09:53 AM AST  
**To:** Shelly Lam  
**Subject:** Re: West Vermont Results

Shelly,

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Adam Rickert, MPI, REHS  
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-----Lam.Shelly@epamail.epa.gov wrote: -----

To: arickert@hhcorp.org  
From: Lam.Shelly@epamail.epa.gov  
Date: 06/15/2011 14:45  
Subject: West Vermont Results

Adam,

We have a PRP meeting tomorrow on West Vermont. Do you have other analytical data from the residential properties besides VC, such as ammonia, nitrogen compounds, chlorides? Anything you can provide would be helpful.

Thanks,  
Shelly

Shelly Lam, LPG  
Federal On-Scene Coordinator  
United States Environmental Protection Agency  
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[www.epa.gov](http://www.epa.gov)

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EPA-R5-2014-003611INT-15

**Brian  
Schlieger/R5/USEPA/US**

06/17/2011 03:40 PM

To Shelly Lam, bob\_lewis, doug.cloud, agremos, scott.smith,  
Donald Heller, marthasue.barto, czajka, jgh, atkociunas.paul,  
Bob Kay, Thomas Nash, "BRITAIN, ERIN", bholland, Gary  
Newhart, DMcInerny

cc

bcc

Subject Contact list from yesterday's meeting

Attached please find contact list from June 16, 2011 meeting regarding West Vermont Drinking Water Contamination Site.

Erin-

Can you please forward this to Corey and Sarah. I could not find their e-mail addresses.



Contact List B&W.PDF

Thanks,  
Brian

**Brian Schlieger , Chief  
Remedial Response Section # 1  
Remedial Response Branch #1**

**U.S EPA  
Mail Code: SR-6J  
77 W. Jackson  
Chicago, IL 60604**

**Office: 312.886.0130  
Fax: 312.582.5817**

EPA-R5-2014-003611INT-16

**Brian**  
**Schlieger/R5/USEPA/US**  
07/14/2011 08:34 AM

To Shelly Lam

cc

bcc

Subject Accepted: West Vermont Update Call (11:30 Eastern/10:30 Central)



EPA-R5-2014-003611INT-17

Adam Rickert  
<ARickert@HHCorp.org>

07/18/2011 03:52 PM

To Shelly Lam

cc

bcc

Subject Re: Cossell-Vermont neighborhood sampling

Shelly,

We try to sample all the properties on a quarterly basis for VOC's, however over the last few quarters only about 5-6 of the property owners/residents have participated. It is not always the same residents/wells participating in each quarter. We are scheduled to complete the next round of sampling before mid August, however we will take all the help we can get.

Adam Rickert, MPI, REHS  
Department of Water Quality and Hazardous Materials Mgt  
Marion County Health Department  
3901 Meadows Drive  
Indianapolis IN 46205

(317) 221-2298  
Fax (317) 221-2288

-----Shelly Lam <Lam.Shelly@epamail.epa.gov> wrote: -----

To: arickert@hhcorp.org  
From: Shelly Lam <Lam.Shelly@epamail.epa.gov>  
Date: 07/15/2011 13:53  
Subject: Cossell-Vermont neighborhood sampling

Hi Adam,

I have a few questions about the Vermont-Cossell neighborhood. How frequently do you sample the drinking water for VC? Do you sample all the homes? I ask because we are going to do some investigation work prior to the water line installation. We want to make sure that during that time the VC plume doesn't migrate and impact additional residents. If you don't sample all the houses routinely, i.e. quarterly or semi-annually, let me know and we may be able to do that.

Thanks,  
Shelly

Shelly Lam, LPG  
Federal On-Scene Coordinator  
United States Environmental Protection Agency  
Office: 317.308.3073 | Cell: 317.417.0980  
Lam.Shelly@epa.gov  
2525 N. Shadeland Avenue, Indianapolis, IN 46219  
[www.epa.gov](http://www.epa.gov)

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delivery, and then delete the message from your system. Thank you.

EPA-R5-2014-003611INT-18

**Brian  
Schlieger/DC/USEPA/US**  
09/16/2011 01:02 PM

To Mary Armacost  
cc Shelly Lam  
bcc  
Subject Re: Cossell & Vermont Wells & Speedway Water Contact

Mary, here is Shelly Lam's contact information.

Hope all is well with you,

Brian

Shelly Lam, LPG  
Federal On-Scene Coordinator  
United States Environmental Protection Agency  
Office: 317.308.3073 | Cell: 317.417.0980  
Lam.Shelly@epa.gov  
2525 N. Shadeland Avenue, Indianapolis, IN 46219  
www.epa.gov

**Brian Schlieger**

National Planning and Preparedness Division  
Office of Emergency Management (OEM)

US EPA HQ  
1200 Pennsylvania Ave., 6450M  
Washington DC, 20460  
Office: 202.564.3128  
Cell: 202.322.9008

Mary Armacost	Brian, Could you give me the contact in...	09/16/2011 01:58:54 PM
---------------	--------------------------------------------	------------------------

---

From: Mary Armacost <marmacost@speedwayutilities.org>  
To: Brian Schlieger/DC/USEPA/US@EPA  
Date: 09/16/2011 01:58 PM  
Subject: Cossell & Vermont Wells & Speedway Water Contact

---

Brian,

Could you give me the contact information for the Indy EPA lady that is now handling this project?

Thanks,  
Mary

-----Original Message-----

From: Schlieger.Brian@epamail.epa.gov [mailto:Schlieger.Brian@epamail.epa.gov]  
Sent: Thursday, November 11, 2010 7:31 AM

To: Mary Armacost  
Subject: Re: Conf Call

I would like to but unfortunately, I still do not have the report back from the well gauging event. I was hoping to have it back by now. There is likely not much to discuss yet.

Any thoughts on this?

As an aside Vic's on the River is a good restaurant while you are in Savannah

Brian Schlieger  
On-Scene Coordinator  
U.S EPA  
77 W. Jackson  
Chicago, IL 60604  
Office: 312.886.0130  
Cell: 734.740.9011  
Fax: 312.582.5817

From: Mary Armacost <marmacost@speedwayutilities.org>  
To: Brian Schlieger/R5/USEPA/US@EPA  
Date: 11/11/2010 05:56 AM  
Subject: Conf Call

Brian,

Are we still having a conf call today about the contaminated wells near Speedway?

Mary

EPA-R5-2014-003611INT-19

**Barbara Lawrence**  
<[blawrence@townofspeedway.org](mailto:blawrence@townofspeedway.org)>

09/21/2011 09:44 AM

To: Shelly Lam, "PTheveno@HHCorp.org"  
cc: Steve Hurst, Mary Armacost  
bcc:  
Subject: FW: Speedway, Cossell/Vermont

Shelly and Pam-

Attached below is the rough estimate for connection the Vermont/Cossell area homes to the Speedway Water Department system from American Structurepoint engineering.

It does not include the cost of the pipe to the home, which is estimated at about \$2,000 per home, or a total of \$52,000 for all (\*\*below). For liability reasons, we would prefer to handle the lateral installation as a separate effort—which I can explain later.

Construction Cost (4000' of 6" Main)	\$ 295,000
Survey, Design, & Bidding	53,000
Construction Inspection/Admin.	<u>36,000</u>
Subtotal Project Cost	384,000
**Connection to Home	<u>52,000</u>
Total Estimated Cost	436,000

Also, I'm happy to follow-up with Jim McGoff at the State—just say the word.

I've had very preliminary discussions with our Town Council on this matter, as the Council has final approval, but let me know what your thoughts are and we can determine next steps.

Thanks.

Barbara

**Barbara A. Lawrence | Town Manager | Speedway, IN**

Mail: 1450 North Lynhurst Drive | Speedway, IN 46224 | [blawrence@townofspeedway.org](mailto:blawrence@townofspeedway.org)

Office: 1010 Main Street | Speedway, IN 46224 |

Phone: 317.246.4100 | Fax: 317.240.1322

**From:** Grinstead, Joe [<mailto:JGrinstead@structurepoint.com>]

**Sent:** Wednesday, September 21, 2011 8:27 AM

**To:** Barbara Lawrence; Mary Armacost; Steve Hurst

**Subject:** Speedway, Cossell/Vermont

Barbara, Steve, and Mary,

I've calculated rough planning level costs for a project that would service the 26 homes in the Cossell/Vermont area. The breakdown is as follows:

Construction Cost (4000' of 6" Main)	\$295,000
Survey, Design, & Bidding	\$ 53,000
<u>Construction Inspection/Admin.</u>	<u>\$ 36,000</u>
Total Project Cost	\$384,000

Please let me know if you have any questions and if I can be of further assistance.

---

**Joseph W. Grinstead, PE**

Director of Operations, Environmental Engineering Group

7260 Shadeland Station, Indianapolis, IN 46256

T 317.547.5580 E [jgrinstead@structurepoint.com](mailto:jgrinstead@structurepoint.com)

F 317.543.0270 W [www.structurepoint.com](http://www.structurepoint.com)

C 317.473.0795

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**Barbara Lawrence**  
<[blawrence@townofspeedway.org](mailto:blawrence@townofspeedway.org)>

09/21/2011 11:42 AM

To "PTheveno@HHCorp.org", Shelly Lam  
cc Steve Hurst, Mary Armacost  
bcc  
Subject RE: Speedway, Cossell/Vermont

Good catch—was not included—and your figure is right on—so we'd add in another \$13,000 @ \$500 per...

Barbara

**Barbara A. Lawrence | Town Manager | Speedway, IN**

Mail: 1450 North Lynhurst Drive | Speedway, IN 46224 | [blawrence@townofspeedway.org](mailto:blawrence@townofspeedway.org)

Office: 1010 Main Street | Speedway, IN 46224 |

Phone: 317.246.4100 | Fax: 317.240.1322

**From:** PTheveno@HHCorp.org [mailto:PTheveno@HHCorp.org]

**Sent:** Wednesday, September 21, 2011 12:41 PM

**To:** Barbara Lawrence; Shelly Lam

**Cc:** Steve Hurst; Mary Armacost

**Subject:** Re: Speedway, Cossell/Vermont

Excellent

What about well abandonment costs?

I understand it to be \$300 to \$600 as average

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---

**From:** Barbara Lawrence [blawrence@townofspeedway.org]

**Sent:** 09/21/2011 10:44 AM AST

**To:** Shelly Lam <[Lam.Shelly@epamail.epa.gov](mailto:Lam.Shelly@epamail.epa.gov)>; Pam Thevenow

**Cc:** Steve Hurst <[shurst@speedwayutilities.org](mailto:shurst@speedwayutilities.org)>; Mary Armacost <[marmacost@speedwayutilities.org](mailto:marmacost@speedwayutilities.org)>

**Subject:** FW: Speedway, Cossell/Vermont

Shelly and Pam-

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**Subject:** Speedway, Cossell/Vermont

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Please let me know if you have any questions and if I can be of further assistance.

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**Joseph W. Grinstead, PE**

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